2837

03500.015957. PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	:	Examiner: Renata D. McCloud
AKITOSHI KIKUCHI	)	
	:	Group Art Unit: 2837
Application No.: 09/988,439	)	
	:	
Filed: November 20, 2001	)	
	:	
For: STEPPING MOTOR CONTROLLING APPARATUS AND METHOD, AND IMAGE READING APPARATUS AND METHOD	)	August 24, 2004

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

The concise explanation of relevance for the non-English documents are provided in the English abstracts.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicant notes that in the present invention the control instruction from the CPU is received every N lines even after the acceleration is ended. In contrast, in the Japanese documents cited herein, equal-speed control is automatically executed without an instruction from CPU after the acceleration is ended.

For example, Japanese document 06-153593 discloses that reading (or loading) is suspended by "auto present load end". But this results in rapid braking, so it will be impossible to restart the reading (or loading). However, in the present invention, the control instruction is received from the CPU every N Lines, so that it is also possible to stop the motor with deceleration.

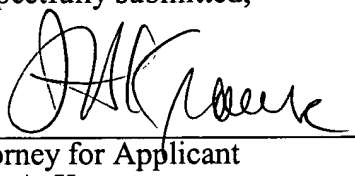
According to the technical ideas disclosed in the Japanese document 05-122470, at first an acceleration table is practiced, and reading of a page is continued at the last speed on the table until the end of the page. That is from the start of the reading to the end of the page, there occurs no interruption by the CPU.

Thus, the cited Japanese documents do not disclose or suggest the technical concept of the present invention that the control instruction from the CPU is received every N lines and the deceleration control or the re-start of reading is conducted accordingly.

We also enclose a check for the required fee of $180.00 to cover the Information Disclosure Statement under 37 C.F.R. 1.97(c)(2).

Applicant's undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,



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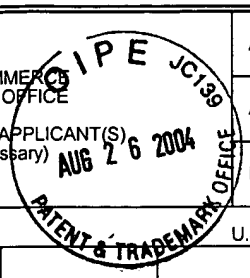
FORM PTO 1449 (*modified*)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)



ATTY DOCKET NO. **03500.015957.**	APPLICATION NO. **09/988,439**
APPLICANT **AKITOSHI KIKUCHI**	
FILING DATE **November 20, 2001**	GROUP **2837**

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
		05-122470	**05/18/93**	**Japan**			**Abstract**
		06-153593	**05/31/94**	**Japan**			**Abstract**

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.